Aviation evs



Jet-Driven Propeller: Basic research by the National Advisory Committee for Aeronautics in the field of jet-driven propellers may lead to industry development of personal planes similar to this NACA model. The theoretical design uses a pusher propeller without an engine. Driving force would be supplied by reaction from jet nozzles in the propeller tips. Air enters using scoops, is compressed at propeller hub and by centrifugal action in the hollow propeller bale. (Story on Page 1)

Closer Collaboration On Engines And Planes Urged
British jet expert, speaker at annual Wright lecture, says powerplants are far ahead......Page 9

Loss of XB-42 Not Expected To Affect DC-8 Design Crash is attributed indirectly to high demands on hydraulic system in military operations....Page 10

Airline Dividends Set Record, But Still Are Low Summary for 1945 shows more made payments, and in greater volume, than ever before...Page 38 engineers and builders of

oil hydraulic equipment

Since 1921



correct solution to many difficult problems

in aircraft hydraulion.

Today, Veckers has the mest extensive line . is the country's largest builder of prenisian eli hydesulio equipment

ewned and has never been a subsoli

lone before the war becan . . . it will contimes to be our principal irealness.



Washington Observer

THE AVIATION NEWS



struct bonds of commideship," The group plans in not too happy about Surplus Property Administrator apply to Congress for a charter and make Winbington 5. I. Semannon. They believe be as taking the wrong prespiration has the resentler blessine of he AAF their downers in relevants corplancy. They think he should concentrate more on his disposal agencies. are in disposal. They assert that when RPC cur's

sey, out of the Navy and choline at inactivity, has an excellent chance to be moved ton man in the Marithink this fighting stom working for U. S. fing dereferenced to the air and on the sea would set a fast many for the roy of the world. While Air Teconomics Americales officials connectedly dans in close News friends of Lond say he "hopes to get the steamship and ner transport people together to cooperate and pool facilities as far as accepted, custime down costs, and The Land appointment has important international angles sall not generally appreciated. There will be much more news on this later.

pointiess, has smarks of trying so make the services the

gost for a bad straution that is getting ween.

Scare of New York has issued a charter as a membership corporation, without capital stock, to The Air Forces Association Airmen art watching the people of this group, which was formed to "preserve and fewer the spirit of fellowship smoon feener menhers of the AAF and to provide an organization through which its members may usure in the fro-

LINDBERGH RETURNS - Responsessor of Charles A. Lindwood in the public eve-us the Acea

energlation. One percent was that his excellent address was the first step soward building him up for imnorms: duries. If those sections of the public, pers of some years are show sieus of warming to his new views, other events may be arranged. A most favorable improvion was made when it was disclosed that out public series-during the war and when it was spread at less one lap place.

DIRIGIBLES-Advocases of lighter-than-sir craft for compecial nursons are becoming more active. place airchin approximately 950 ft. loan for any espensing the dirigible's economy and appeal are

bring-the-end-of-occurry notes: the Aeronsotical Board, key Army-New avistion coordinating organization ("Avustion News," Dec. 10), but Issued an order that way officer or refined man who talks to the areas



AVIATION NEWS . December 24, 1945 WASHINGTON OBSERVER -- 3



News at Deadline

Cooperation of the BFC and

AVIATION NEWS

Principle Benfourten.

Volume 4, Number 22

Advertisers Index

make a happy Caristmas for the carriers, which had feared they 54's as rypedly as they come off

Confeer to MAI.

clared a 103,100 share common



A New his poleni morino in the Courtesia PRF reporter, Joseph about 550 *Robe Asseraft is accoming completion of its special modification work on Catalogue (PRY-SA) for the AAF

Daughe is modifying about 100 Seymesters for the Navy

Navy is amonging to obtain about 90 JiD-1 craft from the Array for thorough version of the Army's Dougles A 36 light bomber, built at Tolas. To ciste, the Navy has received only one or two of these shape. Some nameler planers Appropriate of characteristics of constructive constructs as qualified to comply new security

in expected to be announced by CAA this work in an offent to break another Certification will be subset to root-checking by full-time CAA inspection.

• Globy Account, with about 25 planes on the line at pursual, loopes to exceed Nevy officials desy that an artist's drawing of a two-rotor helicuster on exhibit at a Nevel seration show in New York is the McDonnell XHID to

Novy but cut its HO351 beliepter procurement process to two craft

of about \$15,000. Also dereged from the Boeing program was the small service difficulties. Among other pop-wishous production considered and tests-· Cartes Wright may be considered not of the transport strengt manufacbecause of tooling problems arrobad in filling the comparatively small patter



Days Here Protesting Co. Inc

Jet-Driven Props May Power

Personal Planes of the Future Three-ft, models of "pinwheel" application being tested at NACA research laboratory: net economy over conventional engines indicated despite some limitations

By ALEXANDER MISSIRELY

pears a likely prospect for the propeller would be particularly conventional engine and propoller weight, simplicity, and annual opplanes powered by the jet-monel-Aeronauties are testing small eyel frong well beyond what Fregress-Still in the prelimguet \$3, 1945) chambers near the tips and the NACA is studying the new mirriage is usuled The rausely exmethod of propulsion as a base pending het game push out through research problem, to test vis utility. engineers have envisioned possible which turns the propelled

compressed by the centralizal ac-

concumption. This arrangement peller tips, with the compression would draw in air through the > Bank: Form-In its recot straple

purso and starter for auxiliaries.



Possible Penher Version of Jot-Propeller Plane; Ture which communical recombing the early Waterman moust of a model preserved by NACA engineers to Asrobile, with arrecogn in the using leading adort

(Business the possible supplication of the ref-driven to feed on into the propeller A purker with from AVIATION NEWS a December 26, 1905

prepeller to personal planes, show a tatlless plane, toribooms could be used equally well.

HEADLINE NEWS-T





test at the NACA engine laboratory at Clerifiend, Glico, offer interestsouth records there times as ducted principally by Abe Silver-

RFC Confusion

the RPC list of places either

Nov. 29 or negotations have been carrarded " RFC legate

C-W for the plant. The fact is

Industries of the official con-

flight diverson, and the twintional powerplant. This is dewrite the increased furl canacity | Results of their findings will be where would result from the light, made available to the public, the military services and the aviation sadustry for nossible applications of the universeller would be low; its prefirmancy stars, will coner, because of chesper fuel, lower times for considerable time until first cost, lower Jubraciting cost it is generally expected through- as an airplane prime mover and

Reposity the idea is not new. crearingly interesting with the

FESiciency-Efficiency of the tet-

AAE Acre to Cut Rise in Accidents

k Key Men Last... Key men, such

almost daily by the public and

concensions of the has been reduced to meet the

placed in stocage. PERcective-A directive from the Street, CAF Communities Gen-

Dr. Cox Asks Closer Collaboration On Engine and Plane Designing

British jet expert, speaking at annual Wright lecture, says development of powerplanes is far shoul of accodynamic science: urges shelving of larger reciprocating motors.

ment, and it still as upcertain whether the unorthodox designs service life of about 160 hours.



Dr. Harald Raubee Cox.

operations conditions made possible

In comparing the British and American development with that

Development of powerships is a news conference that the Wellabeed of serodymenic develop- and enous is the world's record speed craft, the Meteor, has a with everhead Hewever, it has

ill-advised" for course manufac-

It is difficult to evaluate the

Frure set economy in fuel consumption does not begin until

Founds Referred The Senate Appropriations

Administration availability of purples Acres and Navy fields, appears to be

the McCarran-Les legislation. A There is no reason why planes entines. This is perticularly true

Charles I Howard Dies Charles L. Howard, vice-presidied recently at his leave in



Loss of XB-42 Not Expected To Affect Production of DC-8

No changes in design of plane or powerplants anticipated; could be artiflued indirectly to high demands made on shirt's hydraulic system by military operations.

AAP's loss of the unorthodox AAF investigating board was Frushle-The AAF had been

complimeted hydraufte system, in addition, the engines had not had The nilet, Lt. Col. E. J. Assant, an Wright Field, took the plane up to rystem On the take-off, there landite mar. At 5,000 ft. the engines checked O.K. Commo land and was making the onin addition to the landaux rear. deal last week the Navy's Bureau

present day is being considered

The propert is understood to

have the support of Ges. Arnold

Air Museum Studied Establishment of a National & Congressional Action - Some

Ascess, to offset the draw of the half-retrurted none wheel, increased newer and pulled up to 2.540 ft. at the same time switch-

Back of the propert is the idea

AAPTC To Move

Lt. Gen. Barton K. Youzh

weny bendoussters on Jan. L.

from Fort Worth, Tex., to

the bomb boys, retractable wing ours etc. The hydroxilit avvices obvioling the difficulties concer-The cooling flaps were dampted

Congress Relents On Research Funds Army and Navy axiation re-

requested, and \$81,000,000 recen

quested appropriation but \$65.-States-The resolution measure

Consolidated XB-36 May Be Flown Soon

ments on the possibility of intercontinental air warfare-the X8cenft Corp. It is the military non-With a windspread of 230 ft.,

mately 20,000 hp , the XB-34 is FRange-Its decigned gross weight

coccutum radau is 5,039 males. "5.000 out and 5.000 back" and gress the AAF a weepen with Almost or cadical an incovation

"Mornaster," the XB-36 is powtruling edge of the wing Accordsines are Pratt & Whatney rackal aur-cooled Warp Marors which do-Size—The bore frures myo in digmeter; rudder 46 ft. from westign 1,560 lbs each The crew * As a contrast, the B-29, become radius of 1,290 males

Orders Heliconter too peris supplier, has placed an order with Skhoraby Deva-

Manageth Bamber: Shotch of the Consolidated Valtee XB-26, laters for test flights. Power is supplied by six Prott & Whitsey Wasp Major

CAA Stresses Power Over Surplus Fields Most experient agency in the been designated the disposal

posited out that department's sweetens suthersty in the airport (Ayrayton News, Nov. 26) that cliries. While RFC is supposed

FOther Powers-In addition, CAA

When the subject of surplus air- during the war

addrag legal and bookkeeping 26 Surplus C-47's Sold

By FLC Manila Office More than \$550,000 worth of

The Dutch probably will use the

its "National Airport Plan" and Pre-War Lines-Far Eastern Am Transport and Philippene are the 5 Both lost all their comment



New Lockbeed P2V Sets Navy Precedent

First Navy Inadobase essenved

Lockbeed's nut exposured P2V. n R-3350-5 Wright Direter Cuclery engance, termine out a total of

4.500 hp. Deta-It has a record of \$500 wine stem of 100 ft , overall length \$6,000 lbs. Power loading at \$6.1 locity surcesft reducts from un-Bas per horsepower with maxireach greet would. Went landing a tricycle landing year. The wine

fly notatop observation manage

to the from Dearl Marker to New might 1 000 recorders or four 2 000

York in one hap, from Tokee to Seattle without refucing: that if

or low altitudes, skirrering the

pounders or tay-live \$25-15 depti fixed in the rose size the P2V inc

Lookhand descripted the PSV to plapes from Lockheed's contract for more than 100 production In posting out that the PIV is the first land-based plane over deranned for the Navy for the specific

Lindbergh Urges World Government

If we are able to provent the In his first public address in Marality needed-Ht mid be

power, he added, there must be a return to merably to the "internty, humility and coronseen

"A world organization to have permanent influence, must wield taxefule result of their failure.

AVIATION NEWS . December 26, 1965

Industry Holds Back On Taking U. S. Plants On Long-Term Basis

Majority of companies proceeding slowly, waiting for settlement of military procurement policies: RPC deals to dute areal only \$33,178 TW of original \$3,000,000,000 cour

parts plant at Melrose Paris, Ill.,

FTwo to Lessen-Of the 19 new

Ohio, which cost \$300,345, and was

and was sold for \$1,000,000. Agro-

There has been tentative an-

By WILLIAM KROGER

and definite orders in sight, the very slowly to scource on a longfor short periods, senerally dunne the war, only not have or least-term leases. The "interior

No New Sales-Illustrating the Since the BPC report, however,

Northrop Net Sales Total \$86,413,350

expenses, together with interest







AVIATION NEWS . December 24, 1945

Pusher-type Fighter Perfected by Japs

420-mph, natiless craft had 2,100 hp, regime, most powerful yet

a Marrie Corne correspondent reto the Jary on the 27W1 or Thin-

clocked at 420 mph, at over 29,000 not received by the Jorn a 2.100. hp model draigned for this plane

placed in the wings. Pilot visibili-



Jap Pusher Fightee: Two sets photor of the pugher-type fighter orplane which had been successfully tested by the Japa and which was



Members of the TAI team said

Peacetime AAF

Plans Reviewed Reconstitution shows AAP would be afferry or warrant of-

for utility purposes, making a to-

by a production of 4 888 planes a

needed to supply the Air Reserve

PRIVATE FLYING

Aeronca Plant Conveyor Line Paces Post-War Lightplane Field

Middlesown, Ohio, factory utilizes production methods which hold key to lowering of unit costs and reaching mass market; system follows recognization survey.

pion (tandem) and the Chief at the Middletown, Ohio, plant is planes on a ungle line John and Carl Printlander

and that it takes a little more than assembled on a separate line. The conveyors and it is likely that follow P Details - The Agreem conveyor

Franciage-A floor-type convente

of tail merfaces and landing gear.

assembly and governed

Mings-The wing structures are decent and painting Bight and or carries wings and salerons

The sixth conveyor, not yet corntanks, to covering The remainder stored parts to fuselage sub-assoughty line bens, and well return Mearrangement-The moving line

on the sheriest reute Engine





ANTATION NEWS a December 26 1965

The dope room uses hot dope grying complete coverage, a della-

method of passing wood parts inspection peocedure to detect

workmen for single operations,

Eshelman Winglet Flown in Baltimore

either wanging is made of chrome Conventional two-place personal wing types L. Eshelman's Wouglet, two-place Farier Types-The plane is de-

within four months after a CAA

The plane is designed to cruise

The Winolet is a "little brother" since 1942. Eshelman's first dementation including radio. It is root in 1045. It emaked and burned when the landing goar M. R. Giribble, test point, reportbuckled and fraction from a skid ed the plane "handles beautifully," at the conclusion of the first brief

at 120 mab, with a 331-mph, too a 14.459-01 pervice cetting It is of stock. The plane may be the city



New Eshelmon Plane: Tuo-place Investrian Relationer Wineles

45 mmb, with flars and at 50.4 much without flans

designed to take off without fupo first personal-type nightne ever

Wingar Truk-Mast radical from fired tank. The tank is filled at In a crush landing in the ocean satended "Toying to Mara," He has after the sea fasht, rented a build-

Two AA Pilots Planning Airparks in Memphis Area

L. P. Bulett plans a 125-acre tration building, lanchreem and display rooms, and three large deck, chibosoms and display nine, to be supplemented by others as needed. The plans are subject to approval of the Shelby County Adrestment Board, Both scruerks are

Airpark Problems Outlined By AIA Balletin especially for reservoir tipe up own private field deli-

culture stressed.

clude accessibility to town, pechoice between high property costs from fown, and inner nests

Defere buying the land, make a ship technique ell mebra conce property, and the availability of

the future, and possibilities of for unvale surparks, so eagiful Policy On Airports Set in Maryland

ranged by automobile credit com-Charles H Back charmon adorted this notition is a hearing

Plans - Arthur Paul Snader

services and it is their sob to



"Jerk-leafe" doory scheds open to both other majous the full Made

2.000 Planes Due to Join in Tour

Advance carollerest for time post-war agonal flight so Florida indicates 40 percent increase At least 2,000 private planes are expected to participate in the first post-war lightplane tour

Advance entellment recourate a 40 percent increase over the largest pre-war mass fight. Four rectes to Mrams, Pin, along which free sustine and oil will be pre-

> Route 1 (Eastern)-New York City, Ambler, Ps., Greenhelt, Md. Pa). Richmond, Va., Tarbero, N C.: Faretteville, N. C., Camden, Radgeland, S. C. Savarrash, Go., Jacksprrville, Pls., Orlando, Fla. Ft. Pierre, Fla : Pulm Beach, Fla ,

Countati, Otas, Louwrite, Ky Lanung, Mach. Nales, Mach. Kpkoreo, ind: and indurence Ind): Bowline Green, Ky : Nathville, Tree: Chattanoors, Tenn.

more, Okla ; Dallas, Tex. (with a spur from Ft. Worth, Tex.); Marroe Lo. Jackson Man Mendion Miss; Montgomery, Als. (with a Mass: and Bermingham, Ala.); Alberry, Go., Tollahousee. Fig. Gamerville, Orlando, Ft. Pierce.

Faute 4 (Southern) - Austro route thru Bogsluse, La.); Mobile, tabasses Garrenelle Ortando Pr The four runs from Dec. 26 to

solled, may by places of 125 kg.

Briefing For Private Phine

CAA IN IT AT POTCH-If you have a flat witch propeller personing through the atmosphere around year haustown airport, chances are if will be a CAA inspector's plane. For CAA, advecte of less noise et elrosts, his just follen heir to 100 Value BT-13A trainers frees Army surplus. And the BT-12's reputedly are on makey as any plane you might bepres to meet. The activy plane will certainly delired from sery surprise visits which the inspectors might like to make. But CAA is invaring a directive to the impectors who fly there, to operate the plones "as quietly as possible" and not to use flat pitch any langer than is shoolstche necessary. It might be a good use for may experimental funds which CAA gets, to set up a project on quisting down the BT-13's. CAA has received a total of 221 surplus planes, including C-56's, DC-3's, and be-metered and single-engine Beechcrafts.

MOSTNYAIN HAZARDS-Utah State Accounties Director Joseph Berein has recommended to CAA Administrator T. P. Wright, that more ried requirements for palot experience be put juto effect when the private pilot is fiving in russed mountain country. Bermu's recominc inconcerement orbots, would require each private print to file a Shelpt plan at his takeoff field, and nowly has home field of arrival at his destination by telephone or telegram. He also asks: that all CAA communications stations be directed to accept divition contact flight completed a 400-mile cross-country flight with an instructor and a + Route 2 (Midwestern)-- Cleveto fiv in mountain country. Becain cited one case of a Usah private fiver before his plane was reported everdue

> ORDERS FOR BRITISH "PROCTORS"-Orders have been received for the Percival "Prector," three-four sent British-built lightpiece from eight other countries. The first plane, powered with a de Havilland "Gyney Queen" six-cylinder engine, of approximately 200 hp. has been accepted by the Portuguese emberor, and a contract for 26 "Proctors" has been placed by the Darish Government. The plane was med for communication and personnel transport by the BAF in wartime. A civilian version of the place, to be called the "Presult" is now metal lightplane, and a high-wing all-metal plane for executive trans-

MERSONIEST ARCTION....More than 50 word places were said at a

CLEDING AT SAN DIEGO....GEAr enthroins in the San Diego year have resursed their materiess flying at Gibbs Field, after the enforced holt of glider flights during wartime. John Hobinson, San Dinco welder who was a satisfied searing championship at Elwins, N. Y., and was one of the Areas's glider pilot instructors, is instructing at the field

own schedules, taking adventure 6. Invitations to the tour, empli entions, and questions of eligibil-Many of the pilot tourists will visit the All-American Air Ma- Birktolase builders who are hapnegoves at Museu, Jan. 4, 5 and digner the tour with Gulf.

AVIATION NEWS . December 26, 1965



UNITED STATES The installation of Stenesonds Pacitor Parl Gauges on a fleet of 50 Douglas C-54 transports recently acstrances have been specified for the giore Dougles

(tank weir) when the dielectric chances from liquid to air, these changes being measured electronically and recorded on the cockett indicator. A totalized level, is achieved despite changes in flight arrivate parts except the indicator pointer in the dial, thus tional grages, and is easily adapted to any type of



OTHER SIMMONDS PRECISION PRODUCTS Capsules - Chronometric Rodissondes - Fast-

10 BOCKSTELLE PLAZA, NEW YORK DO. H. Y. . CLEDONIS SERVICE OFFICES DAYTON OND . SURVAIL CAUF. - MONTREAL CAUF.

New School Offers Certified' Training

methods is sum of censer set up center," at 5 West 46th St., New national plan to standarduse train-York, is offering a 366-hour (threemonth) course to train personnel Purpose - Main purpose of the

school. 21 years old milet ceror merralt radar maintenance. s, and is limited to 50 encollers, the first Monday of each month thereafter Dr Boland H Spaul-

New York center is to provide a Mechanical Starter accessories, textbooks, periodicals, Offered By McDowell Leave in cocking min perceller

A mechanical peopelies-sponger on a lever in the cocknit and

tion coesses for persons not inter- developed several years ago and ested in flying, but descring a is adaptable to any of the smaller b Requirements ... Resurrements for . b Accepted ... The starter alreads students to be trained to operate has been secreted as standard the centers in other locations in- equipment on the new Acrosco



VOYAGER FARM PLANE:

Adaptetion of the Strange Version 150 as a form plane for hauding



McDescell Starter: Shaleh shaus executes principle of the Momand and managed form The

shelt, and a new impulse mangood consisten. The company recommends the special impulse

#Startes has been approved for AAF Masenel Command and

Stran-Steel Hangar Price

front doors, lists the hamper at Corp pippl at Ecorpe, Math. The hangar (Assarion News, Dec. 10) or storage room with door and window for \$156 Built is neets of from \$1,885 for two to \$31,056 for 25 Rear swine doors on the hangues will be added for \$34 yet



G.E. POWERS THE Shooting Star



WORLD'S MOST POWERFUL AIRCRAFT ENGINE FORESHADOWS AN AGE OF FASTER FLIGHT

engineering jobs G.E. ever tookled. There were the restollurated archlarge returnal by the terrific temperature extremes and medicalcel stresses consistent Contaction and in he melled in one transact of the values per life required by a power-plant baller. A fuel system had to be solvers. And the job had to be does feet,

The speed with which G.E. brought the gas turbine to its present state of to the expenses G.E. goard in developing the now-famous harbourcerduring and to an indanifolds will to make this phenomenal new kind of

AIRCRAFT GAS TURBINES For Wat... the most powerful propulsion

For Peace . . . the most promising

As the Army Air Franci ready on named P.60 steeds though the sizes. there files with her the makings of an representative are of gardel progress. For here is not andy jet apposition. Here, as a working reality, is the dream of framenets of engineers—a procincil, efficient

Desired and and leta productors by General Blestric economy, the reveletionary power signs of the Lockhood P.60 "Showing Stor" has demonstrated for-reaching advantages for fighter places. It has the highest power extent of any engine is the air. It is much lighter them convenience reciprocession ensures of less power. It is remarkingly simple. It can operate on a wide range of fuels. It eliminates delay for engine worm us.

Pure jet recombine is now the ideal power for fighter

alones. Our enrior effort, so for, has been devoted to perfecting the oas turbure for this see. However, prosticolminded Q-E engineers emission ofmost limitess use of sixcroft gas turbines as transport, corgo, and private planes of the fature, for propeller drive or well or let propelsion, Here, they will may you combinations of second also reason that you have scarcely dared to hope for.

The principle of the gas turbers places

Schwestody S. N. Y.

engines. Moreover, they will give long life and their best ted property ever when appropria at a high percentage of their maximum acrees. As the progress of except gardenine propulsion continues, you will find G.E. pioneering many of the basic developments which will make places the fester and frether-which will brien new confort and safety to cut travel. Assentitis Department, General Electric Company.

Buy all the BONDS you can -- and keen all you buy

GENERAL @ ELECTRIC

Service Rate Book Issued By Aeronca

craft Corp., Middletown, Ohio The

as time studies on new models. Michanan Department of Accounts. once Models 80, 65, Tandem Trugs- state surports must be doubled in

Development Planned

Two former Army fiving innear Warm Street, in the Oak-

Survey Shows Shortage Of Airports In Michigan



44 PLANES FLY TO BREAKFAST:

Thomas E Welsh, charmon of of aviation in Michigan

6 Pilot Certificates Revoked By CAA

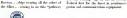
James Laurence Howes, choiced plug, do-obline redselfs the recovered flatte using 10 ha-net netter, discharges the James 10 1888. When redself Child service 8611, contract



caked European fields to numbaked airstrips in southern Burms . . . Federal Instrument Landing Systems are "bringing

Bombers, pursuit shire, micht-flehters, transports... American Capadian British. Russian . . . ships wearing all the colors of

toughest kinds of flying weather, This is the instrument landing emigraeut that Federal developed over more than ten years of intensive research . . . and which has not the standard for social reviention conjugate of the world. For the enesing "age of the air". . . see







PRODUCTION

Production Of Beech D18S

In Full Swing At Wichita Plant

13 already have been delivered to various business firms; produrrion of famous single-engine Model 18 is scheduled to be Commercial production of ex- designed and luxurous uphalstery

ecutive-type Model D118 transbumpers from First deliveries The DISS is a six- or covenplace civil version of its military Navy. With two 450-hp. Posts and Whitney Wass, Jr., engines, it has and a range of six hours, dependon rough, unprepared fields. Enat slower speeds.

8,500 lbp., 155 Hph. with gress of of 9,000 lbs Highest maximum speeds, achieved at 5,900 ft., for the respective wearhts are 225 moh. 225 mph. and 224 mph. nre 20,899 ft . 19,999 ft . and 19,200 Marcafactaner - Beech which

Direct Fuel Injection First civilian use of the Strom-

soon will be resumed on the com-Cabin interiors have been re- pany's famous Model 17, five-place

Bessells - The menufacturer Propeller Limit Fased

JAPS POLLOW GERMAN DESIGN: Patterned after the German ME-167 jet interceptor, this Japanese

Approval has been given by the port to the removal of the 11.600-

Moreover, following extensive

Jet Fuel Booster Westerchopse has developed pane for a pet-preedled sur-

Used On Constellations

bridge that onto service by TWA This fuel system was used to stellation power plants. C. D. Monhart sales manager final person with the ordinary car-

firect fuel invection. The operation in changing the amount of fuel to

covering which acts us a sheeld preventing radiation or alobsorbish for more saterference. A variety of specially de-If you are confronted with difficult taking or shielding problems, call in a Berrie engineer for a complete analysis





Corporations Inc.

NEW ICESES

OVERTION NEWS a December 26, 1965

2.600 hours.

SEC Summarizes Transfers Of Stock

tolaries of 1600T shares. He old 700 shares of Februalid Cen-tustrement Corp. comman check, leg. by westership to 90250. Dwight S. Wallace, Centra vicepresident, sells 50,001 charge of common, other transactions list-

Chains

Assistant the air transport compunics,

G. Adrees, recepting and treasmer
of Brand Airways 196, bought followares of the conting which, portuning has holdings to 3,000 shares.

Franch Newsylain dentities of Edution

commusion shows that Dwane L. Shares and Freezest, engines regions, manager for Nutsean Arrives and S observe of the communications ns avened b SERRERS

5 Other Daught-Stiftward T. Price, pend.

Gent and general manager of Motor
Alvered Company, seek 1 000 shares of

ologi, maline his balance 40: Ibarri at October 1: Chicata, voir president 1 Thoubart 2: Chicata, voir president the sale of 1,000 shaws of the columns at the sale of 1,000 shaws of the columns at the sale of 1,000 shaws of 600 shaws at the sale of 1,000 shaws of 600 shaws on these perticular Gags II Evitz wer the perticular Gags II Evitz wer the before of 1500 shaws of the 10 before 1 the 1500 shaws (Lands 2 Monano vice president and treasurer reported the sale of 200 shares of the General Electric Hangar Newtine Completion were when the co mo maked of the west their which he had planty. he win leaving 1000 shares in 1 mind account. At Missess also a 20 shared discrip. These M Alles an official of Bee-Marphase Co., Surchard 15th shares Construction of General Elecnew Flying Laboratory at Sche-



28 - PRODUCTION

It will be large enough to house

C-W Factory Sale

Accentuates Trend

Sale of the operaft plant at even additional assured to the

goods to saupt the decirity to the and will coupley 8,990 or move-

> New AAF Research Unit Hus LeMay As Head A new staff apency has been set

dinate all research in the field of Mrg. Gen. Curtis E. LeMay will ment to Gen LeMay, the Air

Superior Engineering . . . basis of Collins quality leadership



Above oil, the Collins Radio Company is an engineering outfit. 4.4% of the ground They came to Collers because the Collers progressiveness and quality standards

and allied electronic fields. They are the nucleus of the organization, from man-These men determine and unhold the character of Callins swite communica-

ance in air borne and ground station radio communication equipment. We will

COLUMN RADIO COMPANY

IN PADIO COMMUNICATIONS, IT'S . . .

Air Procurement Trend Developing

post-war months has set a rather defeate pattern indicating with reasonable accuracy the comcommunity will not have military contracts they probably will re-

abreast or lead in research and FLittle Change-There has been little change in naval and suffrary procurement since the major mitail V-J cutback which reduced procurement from some 4,000 a month. Some adjustments are disc. In the later stages of the war

there was a trend toward utilizing see forfing little encouragement cellent engineering talent and plant, so that an efficient and

Piper Predicts Elimination Of Many Plane Concerns Many of the more than 80 reported personal beliespter manufacturers and the more than 200

Paper, president of the Piper Aircraft Corp., told the ADMA conruce reliability over ure-war entimes, and the probability of conshowing little change in viscosity

most optimistic factors in the nor-FGrowth-Pennsylvania, he re-\$3,799,600 to put with funds from give Pennsylvanus nearly \$11,000 .-900 to build arrowria, most of them of the small private plane variety. stones program, which will be airports available so that the pilot fulls in great numbers he ursed lets of little chosp fields and then

Firm Licensed to Handle Obsolete Donelas Parts Models covered by this become unright: AAF Model C-31, a DC-2

type cargo plane: AAF Medel Model B-22, a two-engoed humber available for conversion to houser (Navy Model SkiD): AAF Manufries...The need for space planes has become apparent. and domestic strilines, individuals

Los Angeles Manorinal Avroart.

Subsero Oil Developed tories of General Electric Co. The hydrenist systems. The oils also retain effectiveness at tempera-

Fairchild Sets Up Personal Planes Unit Associates of Harry M. Mo-

place Corp. with bendquarters in * Sales-Working with McKoy will



Refered 15 Smith, sales promotion

Fairthild also anneared en-

Anderson Air Artivities Milwarker: Bedrett Aviation Co. vice, Hastings, Nober: Buck's Flight School, Chattanages, Terre Cutter-Carr Flying Service Ala buquerque, N. M., Hensin Physic Service, Hautritown, Md.: Hunter neutica, Rochester, N. Y., Kansas

Asr Transport & Soles Corp.

Lynchbury, Va., Mrd Caty Arroyalt. Budson, Ohay, Pacific Assessaft Co. Salem, N. C.: Poetland Flying Ser-Okla : Tutta-Edwards, Inc. Des. Sales & Parts Co., South Bend,



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These effective starters save arreralt betterns and offer

5. Describility-around by Roctor service records in

Your necrest Westinghouse office can give you all the facts on Rector cosine starter performance and the benefits it offers you. Or write Westinshouse Electric Corporation. P. O. Roy 868. Pittsburch 10. Pennsylvania. Do it now.



PERSONNEL

Morris Named Assistant

To President Of NAL Max John L. Morris, executive Acres laterwas with the Macon, Go. Chumber of Connector and the Majora Chura

urer of the W. Horry Agencies, Inc., George D. Yeased has been moned

Cal. Bakert L. Turner (choice), re-

John T. Carline (photo) has been thorough coverure of the are-

K. J. Kernocken has been named Remard H. Staten, who has been

Charles J. De Beyer (photo) has retile Mills, Inc. 1940 De Berre

port Command in 1967, has returned Engl F. Gibner has been married Army Air Perces Danne the war he worked as a safety consultant, supervising the pecking, inspection

Lt. Corndr. Chuse Waron, USNII. venus on application for Pan American this with W Staart Thompson with restricted and worked with Delta

DECORATED:

Brug Ges. Harold R. Herris, for-

Andrew Caggle, formerly produc-Waller N. Denher, who has been

Copt. John W. White, USING, has



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THE COUPLING THAT FITS THE THRING

That's sound engineering-sound Fluid Power engineering. It means a tubing system that insures smooth, streamlined flow, with leaktight and vibration-proof joints, plus easy installation and maintenance. The Parker trade mark is your assurance of

petting exclusive and natented Parker design features that set the standard for Army-Navy aircraft and ordnings use



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32-PERSONNUL

AVIATION NEWS . December 26, 1945



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MID-CONTINENT PETROLEUM CORPORATION TULSA, OKLAHOMA

> AVIATION NEWS . December 24, 1947 AVIATION NEWS . December 26, 1965

SPECIAL AIR SERVICES CHARTER NON-SCHEDULED

Orlando Airlines Sky Harbor already hold certifi-

Changes to Cessnas Present plans call for addition of Attorney General, to matitude

there Beechcrafts to Piorada commun's feet. court action to determine the rights given under the charter and

50 Surplus Planes Sold by Canadian Government

Arizona Schedules

Thomas M. Gordon, president of Canadian War Assets Corn, or No. verster. The planes, plus 11 enh Plans... Three planes will reake

Training to Aid Canadian Operators

Procedure Pilots with full fiv-

tions of the North Woods, flying ing would be pool under the guv-



SPEEDY NEWS COVERAGE

and freight services. C & G. and our runber them to the office

Coloradans Propose 25-Mile Carrier

Smallest operations area ave country has been requested of Colorado Public Utilities Coveres.

ville. First-exapped electaft short, the applicants argue they There are several mines, mills, Licensed in Canada

Done aspect of his service would he to carry february over the 45 are otherwise maccomble, except. Ltd. his been literated to operate sensore to select their fishing areas enty to vacationus but to products tourist industries

Mail Test Asked in New England

Bruning Airways of Springwhen saw often is does. This

> Argument—"It is thought that would mently furnitute the name condition frequently creates ex- costs rould be held to those of cessive delives in surface travel- surface travel."

Two Non-Scheduled Lines

since 1924, has been authorized

ing a smiler service for the pest Great Motors Flyang Service. erate out of Humboldt, And Northern Wines Co. Ltd. Leve. share of the St Lawrence Breer.

Socony-Vacuum Using Air Fleet to Speed Work Representatives of Society-Vic-

Furchida, Cearma and Sumsers in the U. S., and Lockhecks, Storches and Turkertralia based to 1000-ho, term-enrise types. The company believes its introally will be followed by all propressive firms. Many of the sales-



torio, is expected by G. W. Iruss, the operator, to attract many succ-II makes long, is described as ideal for smooth under operation while course. Fishing and handrag are other altractions of the Maskoko area. T. Hassing is president.

Usah Line Organized state charter service which has

AVIATION NEWS . December 26, 1945

SEE YOUR PIPER CUB DEALER for a Good, Safe, Economical Plane



FINANCIAL

Airline Dividends Set Record But Most Income is Retained

Summary for 1945 shows more carriers made payments to stockholders, and in greater dollar volume, than ever before but outless still were only small fraction of earnings.

> 16 2/3 cents was paul each year. Deficit operations for 1941 caused

> a lapse in that year. Dividends

were resumed in 1945 at the equivalent of 33 1/8 cents and

maintained at that rate through 1944 1s, 1945, 50 cents was paid.

* Eastern broke its string of non-

ince records in the industry but

Andrea decidents for 1945 years, contraval every year since. The the highest on record. More car- equivalent of 33 1/2 cents nor pers made cash dishursements to stockholders and in greater dollar remountble Further, the best for stock outstanding with the public. were only a small percentage of

more than token nayments.

ended June 33. The corresponds American pend \$1 per share durand 1945 on its request country TWA then for shows no preferastock. There is compalered to \$2 per tion toward resuming any drys-1946. This rate was increased to \$1.50 themsels 1941. In 1944 the

Braziff poud 60 cents per share company has been maintaining a in 1943 and has indicated its intention of making this disbursement as long as carrings permit. Delta probably has the most interesting record. Traded "evercompany have obtained a broader pubbs interest in recent times.

and, with but one interruption, payments in 1943, le January,

APCA broke the black distinct August, 1945. The currier also has Western has also retained earndividends. Here, too, a majer stockhelder, William A. Coulter, owning

per share in 1929. In 1936, in ad-Fron American always has folthe old common. In 1927, the rate 1938 until 1945 it failed to pay a 1960. The 41 served rate year resurred to 1941 and continued

Seathern have made nominal pay-

National Northeast and Mid-Con-1965 or provious to that time sensually looked to surline securi-

> United has been pursuing a very common stock in 1945, the name as in 1945 and 1944. An inchal paymade in 1936 with the large con-

TRANSPORT

British Deny Easing Attitude On Trans-Atlantic Traffic Split

American inscress still are optimistic, however, civing present situation with U. S. operating 16 flights weekly and Britain unable to run more than one despite position latter took at Although some American office one negotiation of a bilateral

scribed as insecurate a London rethan one trans-Atlantic flight weekly at present, is allowing the

operate. Now Britain morely recountry but in practice permits gardiess of Britain's inability to

the number we may operate. Im-

right for any country to fiv as PRates-The British still are home

in operation early next year. Then, shall be traffic quotes besed on

Marrison Aim-Although Ameror relations with other nations. that they provide for expansion



AIR WEW, REATH ROW:

Both Born Arried London's new terminal arrest ressource of \$ 500 upon or more the dald will know a completion. Hopes are that it will be ready by sud- The field, about 15 railes from Hyde Park Corner, at

commer. One of the Igrasst in the world, with at Strings Middlesser

Braniff Airways-

Oklahoma Acorn to International Oak



ployees, and a 116 mile soute from of the country-3,749 miles of domestic

cation of the quality of a product in the Aviation Department, Phillips Petro-

full that some population on rates icen sources point anew to the trett. If the is approved, the enti-trust laws in that respect Fraudole Block-Daning cound-

rating Congress for a broader grant of authority The Civil k Indirect Jeffarmone What infinour effect on the economics of a

Survey of Airport Sites

the Toledo Biggle and recently oven wide-sured publishy Tits

Postage Cut Urged

introduced, Blacen sucted.

b"With our mad peupst-males.

Regional Meetings Of PICAO Set

Dr Edward P Warner, council PECAO secretary-poneral, Interin March or April, he said, and the Maddle East meeting in Carro

Other PICAO developments inchiefed arrival in Montreal of still show a substantial profit

> Fare, Frequency Problems Delay TWA Ocean Service

In Toledo Area Launched The Tolorio Obso. City-County TWA's "Perm Sky Chief." Current to Sharnon, Elre, 6 hrs 57 min ,

YOU SHOULD SEND YOUR OVERHAUL AND RECONVERSION TO US!... Western Air Lines. Inc. P. O. BOX 301, SUBSMIKE, CALIFORNIA

Centrel Altreet, Concert and pushed on of the header door and the concert and pushed on the header door between the concert and pushed on the header door between the concert and the secretary and the concert and the concer Since with the law marrier and were shared in manufact of the control of the cont conversion from Army 1996 C-57 to 20-57. This involved the state of th Fore convergiors and other processes absolute to consensual ways

WE CAN do the same "meticulous quality" of workmonship for you that we are proud to have accomplished for Western Air Lines....We hour operated "on marit plane" as an approved C. A. A. repair station (No. 75) since 1929,...We are an authorized and approved Douglas repair station. We believe we have the finest shops for cirplane and engine overhoul and repair in the United States....Western Air Lines' splendid letter speaks for the quality of our workman. ship...We have reconverted a large number of

LOCKHEEDS for the U.S. Navy and private owners....We are also in the fortunate position of hoving a large group of highly skilled personnel, many with 10 to 28 years' experience in eviation, Many of these men have been with this company more than 10 years.... WE HAVE THE EXPERIENCE....THERE IS NO SUBSTITUTE FOR ITSend your work here if your wont the best at reasonable cost.

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I stady to take this opportunity to obtain you of a circumstance which, as sy opinions in recombinity.

The last skyplane which were recovered for Restern by Grand

Your ourseviacore and other Personnia should be occamined. highly for the meticulous quality of their seriousnissis.

We have expectations of bales allowed several C-531s for re-

We have expectations of being almosts exercis Logist for re-conversion end you as rest exercised that the early will be per-censed by your spheritel organization.

The last strikes which was recovered to see Readon to great the last three controls on the last three

Mejor C. C. Moselsy Grand Centrel Mirport Company

redio instelletion.

Grand Centrel Marport

urend Centre; Alternia

Pogue Won't Quit 'For Time Being'

referred as he accedes to President's request to secrain. De MURLIN MICKEL

December of Chalcage L. Welch has brought relief to both CAB or-Pogue's term does not excercontid then 31 1667 best be beed turn to private practice. He was auporated to the Board Jan. 10, 1942, by Premden Beosevelt, and four days later became chauman. Possible Successers—How long ne will remain after next March not be more than a few months.

Who has successor will be also be

problematical, but friends now in

a successor. Ponce is one of the .of the military director of cavil ment highly-respected men in pov- system. ecoment avision credes. Johnston, Clarence Yeung and Col. Francia Butler -- are arrend those

tion at Montreal 5 Qualifications-All three man

Howaii, he was renargued to threct the work of the Strategic later west to Jopan on a similar reission. Earlier he was occodena-Advisory Committee for Arraof the desimers of the C-46 Young, like Porce a netwo

C. & S. Orders 202's

Loser for \$3,400,000 was smin 1941. The twin-engine trans-

a position he rengued recently company policy. He was director Department frees 1928 to 1939, and for Aeronautics frees 1959 to 1922, Yours in 1934. Butler, a former attorney for Impustbed that duty March 1, 1944

Poend Officials Shand For Grilling on Funds

Department officials appeared before the Post Office subcommittee

to outline, in general, the Post Office requirements for the coming Docum restes-It is reported that

Economy-minded metabers of American's Trees-Pacific Devision, loss operation for the government. somer one packages

TWA Seen Ready

To Drop Boston

Suspension of service by TWA at Boston's Loran Arraort way be some observers following TWA's filtre formal opposition with the

The TWA statement, outgrowth Nespozeibility-TWA does not intend, nor can it afford to relannefely its own eround service compresent," and added that "the

Opposition to Sutcliffe's appli-Bebert T. Bradfard. > Threat-'To give stor one com-

staße operpetation. Such a franchise

CAB, WAL Answer Suit

Produce Price Ruling

Tomotoes shipped by air in sent by rail, under an OPA amendment effective last week usable wrapper marked to show

Marrin Reconversion Contracts Heavy Remodelling of C-54's for nine

nearly 3,000 workers reculled soven demestic and two foreign 000 and \$15,000,000-s tidy firon to work on the \$52, of which 40 first aix month of 1947, and 80 s.

version. These are PCA. TWA

broken down these contracts by number of planes A spokesman.

PCA Reported Studying

Caren Work with C-14's Allocation of \$2 additional sur-

AVIATION NEWS + December 26, 1905



C-5t Conversion Penditiblies: Passible exterior arrangements for the Devotes Cu5d as slottehed by a Glesn L. Mortin Co. ortist. Too to hop-

American TWA and Eastern free Dither C-54 transports in the Mind each, Delta, three; Western, two. arheduled contract freezist work, allocation: C-5487s. Pun Ameri, and Brazall one Three Cables

TRANSPORT -- 45

Third Overseas Deal Announced by TWA Acquisirion of 28 percent taxur est to Philippine Air Lines follows Hawattan and TACA in-

660. a substitutial interest in

turns as operations manager.

Transcontinental & Western Ave. for \$100,000, from the office of the terest in the recovanized Philips A year are last spreer TWA lank From of TWA. The service or expected to neast the Philippene Airlines Ltd., for between \$300 rupted functions 960 and \$600,000 (Avvarious Name) May 8, 1944). Sor regeths earlier Development Co, other major

FOfficials-While the largest single Departises-The Philippine line and cargo in 1942, over 966 miles Correspondent TWA will records from Marcha to Bagulo, Manile to Cebu via intermediate posits, and Legissis to Cebu. The war TWA's western traffic manager, is vice-president of the Philippine



to right, J. P. Farrell, New York, district regnour, John M. Luces, J. W. Alcott, Rultimore, pity expenses: Alex L. Hart, New York, quint-

CAB Offers Change In Dispatcher License

experience acquired in military sir propose amendment to require-The amendment to Sec. 27.15 of

ing necessary examinations, appliwith dispatching of scheduled air month's international conference

Carmichael Apeninted PCA Evecutive Vice-President Promotion of James 21. (Stire)

in charge of operations His suc-Carrechael, 38, bas been a PCA vace president since 1949. Recently he bended a commission of five

Principal Netherlands almost is use only are Betterdam Vissin-

gen (Flinking), the Zeeland-Flon-FORegre-Officers elected for 1946.

Study of Air Careo Launched By ATA

throring ATA meanwhile has

fertion of hazzeds into inform-Further sim is to produce find-

Financial Officials Urge Joint Service

Constitution of facilities and

are T. F. Armstrong of Rostern. Showsport La AVIATION NEWS . December 26, 1965

Joint Freight Firm Discussed

Ferration by the surfines of a new would be given a share, but

crossed the country in one step.

Highlight Service Changes

Chicago & Southern-Adding

PAA-Added one round-trip

whether only the larger airlines president; L. S. Judd of Delta, and PAA Daily London Flights

Every surline, Adams said, in Armstrong, treaturer for East-

Air Express Rates Cut On Periodicule in Bull-

Provis. III: Detroit. Mich. St. Louis Mo: Ki Dornio and Little Book, Ark.: Eveneville, Fort Wayne and Industriolts, Ind.

Tolesia Obia: New Orleans and

PCA-Berurging service to Newark, adding a second duly round-TWA-Resummy service to Operating Revenue Increase Not operating revenue of the 19

090,611 for the first eight months Greenwood and Jarkson, Mirathe period were \$199,419,100, com-

Joint Through Rates Set By Continental and TWA

new air freight service Continen-

Notes -Airport-to-airport rates male Arrangements for nick-up



men with the most fundamen ted took of their profession . . . SALES TRAINING

. Successful anlaness have here to asing Nicrock treasure. We have

to do it . . . Noy we tell you shoul to Avietice Institute of Professional Sales Trajajas

have provident for manifolder of year treas in Proxing spin-ten withing beauting, near-order them incopioned has not plithenes. My lavastice provide on an electric type of extitutes with an agent of the proxing of the state of the interesting, offside or far-annual below tensors' opportunities. Out New York, Mining Schill or within 9 EQ-175, ANIATION NEWS

Lowell Yerex Resigns SHORTLINES As Descident of TACA American Overseas well inconsents

Canadian Airport Charges

The Canadian Department of

tirely. The Association feels that

\$ Study-To bring charges for

PROPERTY AND ANY APPLICATED AND ADDRESS OF THE APPLICATED AND ADDRESS OF THE APPLICATED AND ADDRESS OF THE APPLICATION ADDRESS OF THE APPLICATION

THE REST. MANAGEMENT STREET, IS NOT THE OWNER, THE OWNE

AIRCRAFT MANUFACTURING

OPPORTUNITY

emperts and facilities.

Slated for Reduction

shares There has been no milica-

Chicago & Southern plans to put service Apr 1, 1866. P Colerant operating 18 dutly fights to the wester sports area around \$ Mid-Coolment's not profit after October, compared with 57,420 in for the month was up 97 percent seagers increased 155 percent

absences from 150 to 500 Em Pun Asseriess will reduce air ex-PTACA recently held a contract FTrine-Circula is joining other North Atlantac operators in setting FTWA expects to mosquiste Wash-

b United recently flow meanly five tone of typhus and diphtheria vac-

and 3,000,540 revenue plane voles the first man months of the year, Insurance Coverage Reflects Air Safety Indicative of the safety record

garded as a standard risk by 60

Cuban Line Floats Issue

satisfact of Pro American Acres va is feeting a \$1,000,000 stock usus of 199,000 shares. Proposeds of the

CAR ACTION

Dieder Stg of et).

Advanced county helpens PAA and American Commun Addison by londing rights pro-VALE DO CHARTEN OF STANDARD ME OF CHART Expelor.

• Decod periods of Franksine Air Live for consolitation of 2n confinence in Easter (No-Monagin Friends case (No-20) (Air et al.)

• Research specificate of Morellor Airways to collect decome at some to Friends Harrison Auditor.

4 Grassel EaL and Stockness Addition per-ritories to intervent at Min Leadershire, Ameri-tees major state. Design 1949.

4 Franklind AOA to serve Stockholm, Sare-Age, Orio Stormery, and Department, Devend-tionagh Errorum Algorit Uniforment Addition.

Dec 29. Endoors of exhibits in Minister Atlantic core Properties from Day 16. Arguste come Prosponed from Day 16 (Irodan IDs et al.)
Jan 3. Early due is from Labo Area come.
Prosponed from Dan 5. (Chefon Id) or a)
Jan 20.
Jan 20 1004 and Unit) . 5. Heating in Agreem Small, A. A. Senting in Agreem Small, A. A. Senting and Small S Dischart Staff)

J. Hankampe of stalkfriet in Crimical Alle Elizar search in declaration of homeon or a management with five York on AM 31

Pd. 15. Enthance of soluble or Embedding Public com Permone from pet 6
1. Highway or Johnson Averyon
1. Highway or Johnson of Averyon
1. Highway or Johnson of Averyon
1. Ave NOW AVAILABLE



New addition to line broadens field of Risput applications HERE IT IS . . . in surinless or placed

Standard Rivest hand tools, with a clicht adjustment, can be used to le-

WRITE FOR HANDBOOK



Funds for CAB TN advance of the formal submission to Congress

of the CAR's budget for the fiscal year 1947, which begins next July 1, attention should be directed to that agency's claims for a budgetary CAB's next budget, like those of other governthe Burnau of the Budget. That body's next treatment of the budgets of the federal agencies concertain with avoiding cours no accompany that

CAB's estimates will be given the fovogable re-The Bureau-and when the tree comes the sepropriate members of Constress-should save some CAB's request for funds: In the fiscal year 1946-the current year-CAB

operation expenses. With that amount of money it employs 402 persons in Washington and 40 in the field. It occupies in Washington only 50,999 so, ft. of office space, acattered in three hull-lines. With these putifully inadequate facilities CAB control over the world's greatest accompanies) edition. Some exposition of the components of that office, and CAR's relation to there were only a faint conception of the stansaring 1th CAR has

CAB writes and promulantee regulations for the airworthmess of surgraft-which connotes a deep, constant and expert knowledge of an industry which next year may have a dollar volume of \$2,600,000,000.

CAR writes and promulgates regulatery-end pilots, with the number being swollen by student CAB, of course, has almost infraredulently rewer

over the greatest air transport system the world in 1945 and is constantly prosured In each of those spheres of activity, CAB's tasks less criticism and controversy than many other government departments-on a pittance. This to ask for less than \$2,000,000 for a staff increase of weekably less than 200 nervers to the ten Deitad.

Congress will recognize the fact in passing on

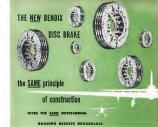
CAR's modest haddetery estimates Success of the Acro Club

wr was only about 15 months are that the Washington Acro Club reappeared. It started again. from sevetch, with variable no funds and little distinction-except for a long history-from huncountry. It was organized originally in 1909, but at the end of President John Victory's term in Blessed with a hard-working and resourceful

and First Vice-President Jack Nelson, the rewas granted \$1,675,000 for admonstration and completed a brilliant year, advancing the cause no other group has ever done. Convincing proof was last week's remarkably successful dinner aviation's outstanding annual honor, two other Nelson and the other officers of the righ. Other

cities could well take note Job Advice for Veterans

were heavy demand of thousands of returning veterans for information about employment by the National Aeronautic Association in Wash-Arroraft Industries Association, and the National Aviation Trades Association, NAA's editorial staff lack of them, in all branches of aviation. As NAA This summary, which is available from the assoservice informing and discouraging ill-coursed veterans from seeking jobs as in helping those who



SIZE OR TYPE OF PLANE

The considers advantability of the new Bourle' Also header is must con-For here in our compact, margle desira, caralectus the cone oracides by this new Beadly disc bests, the return, which are the heat absorbing claracts, turn with the wheel by moune of love factored to the wheel itself. These cotors are made in sections rather than in a continuous ing Indiag, or unsystem of rother returns or fixed according the new description offsets a considerable weight reduction in wheel and

PRODUCTS DIVISION SENDIX AVIATION CORPORATION . SOUTH SEND 10. INDIANA



ROBERT H WOOD

Salt Lake City model airport



Thompson trying services and of the country oldest, was followed in 1925 by the famous Alexander Raymond (Tommy) Thompson, It was among the first to start Civil Pilot Training and War Training Service, and has instructed hundrads of Army and Navy filers, Its school is now approved to give ground and flight training to raturnad voltares.



Friand of fliers everywhere, Carl H. Hellberg has made acted as Utah Wing Operations Officer. He started with Thompson Flying Service at its incaption and has managed the Company for the last 4 years.



ALL pilots know the time- and temper-saving value of airport service that is prompt and reliable, convenient and friendly . . . and frequently fly out of their way to get it.

Salt Lake Airport No. 1 is a model for that kind of service. Carl Hellberg, manager of Salt Lake City's Thompson Flying Service, and a commercial pilot himself, knows what the flier wants-and sees that he gets it. Thompson Flying Service facilities include everything from quick refueling, weather reports, and clearance, to complete overhaul. The company maintains the largest parts depot and is one of the approved repair stations in the Rocky Mountain area.

For any airport to build acceptance among fliers, dependable service must be backed by dependable products. This is particularly true of lubricants and fuels. It is significant, therefore, that Thompson Flying Service has since its inception twenty years ago, favored Texaco Aviation Gasoline and Texaco Aircraft Engine Oil. Texaco products are favorites, too, at other progressive airports all over the country, and with leading airlines. In fact -

More revenue airline miles in the U.S. are flown with Texaco than with any other brand. You'll find the choice of the nation's great airlines and airports your surest guide in buying aviation lubricants and fuel. Ask to see a Texaco aviation representative. He will

gladly help you, wherever located, to pick the right lubricants and fuel, and can often suggest improvements in maintenance practices. Texaco Aviation Products are available through more than 2300 Texaco distributing plants in the 48 States. The Texas Company, Aviation Division, 135 E. 42nd St., New York 17, N. Y.



ACO Lubricants and Fue FOR THE AVIATION INDUSTRY